

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001657

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A41H 37/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A41H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KR 2003-0010877 A (Suh, Kweon-Yong) 06. Feb. 2003 See the whole document.	(Family None) 1 - 5
A	KR 1996-0000106 A (Choi, Hak-Ku) 25 Jan. 1996 See the whole document.	(Family None) 6 - 15
A	US 5,082,151 A (Andre J. Schaeerer) 21 Jan. 1992 See the whole document.	1 - 15
A	WO 98/51174 A (Pettersson, Elisabeth) 19 Nov. 1998 See the whole document.	1 - 15

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
17 NOVEMBER 2004 (17.11.2004)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.

PCT/KR2004/001657

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5,082,151 A	21 Jan. 1992	GE 392708 C1 GB 2236046 A1 JP 3170190 A2	06 Mar. 1991 27 Mar. 1991 06 Mar. 1991
WO 98/51174 A	19 Nov. 1998	EP 980216 A1 US 6375/72 BA JP 2001-525019 T2	23 Feb. 2000 23 Apr. 2002 13 May 1998